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- * Derwent Title: **System for determining exact air induction of IC engine - has monitoring regime with leaning facillity for static and dynamic regulation with non linear refinement via neural network**
- * Original Title: ☒ DE19547496A1: Verfahren zur Regelung von Verbrennungsmotoren
- * Assignee: SCHROEDER D Individual
- * Inventor: SCHROEDER D;
- * Accession/Update: 1997-342848 / 200328
- * IPC Code: F02D 41/18 ; G01F 1/76 ; G05B 13/02 ;
- * Derwent Classes: Q52; S02; T06; X22;
- * Manual Codes: S02-C01F(Mass flow meters) , T06-A05(Adaptive (optimum) control systems) , X22-A03A2A(Air-fuel ratio) , X22-A05D (Fuel, gas and air flow sensors)
- * Derwent Abstract: (DE19547496A) A system for the exact determination of the amount of inducted air entering the cylinders of an IC engine is used as the basis for metering the correct volume of fuel for the promotion of efficient combustion.
A monitoring regime with a learning facility ensures comprehensive control under both static and dynamic operating conditions.
The principles of the method can be applied to take into account the effect of both linear and non-linear influences in technological situations other than the IC engine and for these applications use is made of neural networks in support of the monitoring function.
USE/Advantage - Is new approach to quantification of convert fuel/air mixture for stoichiometric combustion in both stationary and dynamic operating modes.
Dwg.0/13
- * Family:
- | PDF | Patent | Pub. Date | Derwent Update | Pages | Language | IPC Code |
|---|----------------|------------|----------------|-------|----------|------------|
| <input checked="" type="checkbox"/> | DE19547496A1 * | 1997-07-03 | 199732 | 24 | German | F02D 41/18 |
| Local appls.: DE1995001047496 Filed:1995-12-19 (95DE-1047496) | | | | | | |
| <input checked="" type="checkbox"/> | DE19547496C2 = | 2003-04-17 | 200328 | 22 | German | F02D 41/18 |
| Local appls.: DE1995001047496 Filed:1995-12-19 (95DE-1047496) | | | | | | |
- * INPADOC [Show legal status actions](#)
- Legal Status:
- * First Claim: [Show all claims](#)
1. Verfahren zur Regelung von Verbrennungsmotoren, dadurch gekennzeichnet, daß der von den Zylindern angesaugte Luftmassenstrom von einem in den folgenden Ansprüchen im einzelnen dargestellten Prozeßbeobachtern derart berechnet wird, daß mit dem zuzuführenden Kraftstoff ein gewünschtes Mischungsverhältnis erreicht wird.